



**Product:** [9537](#) 

RS232, #24-7c, SR-PVC, O/A Foil, PVC Jkt, CMG

## Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Product Overview

|                        |                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | RS-232 Applications; Computer Communications; Low Voltage Analog Signals (4-20mA, 0-10V, ...); Low Voltage Digital Control (24V, ...); Line Level Audio; Panel Wiring |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element      | Number of Element | Size   | Stranding | Material           |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 7                 | 24 AWG | 7x32      | TC - Tinned Copper |

#### Insulation

| Element      | Material                                 | Nom. Thickness     | Color Code                                    |
|--------------|------------------------------------------|--------------------|-----------------------------------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | Black, White, Red, Green, Brown, Blue, Orange |

#### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.209 in (5.31 mm) |

|                           |                    |
|---------------------------|--------------------|
| Cable Diameter (Nominal): | 0.209 in (5.31 mm) |
|---------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR        | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------|---------------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Conductor(s) | 25 Ohm/1000ft (82 Ohm/km) | 33 pF/ft (110 pF/m)           | 65 pF/ft (210 pF/m)                             | 1.5 Amps per Conductor at 25°C |

#### Voltage

| UL Voltage Rating                |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

### Mechanical Characteristics

#### Temperature

| UL Temperature                    | Operating      |
|-----------------------------------|----------------|
| 60°C (UL CMG); 80°C (UL AWM 2464) | -30°C to +80°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.5 in (64 mm)  | 2.5 in (64 mm)    |

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 44 lbs                   |
| Bulk Cable Weight: | 28 lbs/1000ft (42 kg/km) |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                                    |
| Sustainability:                  | CA Prop 65                                                                                                                |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4, IEC 60332-1-2                                                                                    |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | Article 800, CMG                                                                                                          |
| AWM Compliance:                  | 2464                                                                                                                      |
| CEC / C(UL) Compliance:          | CMG                                                                                                                       |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.352 Revision Date: 10-27-2021 |
|----------------------|--------------------------------------------------|

Variants

| Item #        | Color  | Putup Type | Length   | UPC          |
|---------------|--------|------------|----------|--------------|
| 9537 060100   | Chrome | Reel       | 100 ft   | 612825255284 |
| 9537 060500   | Chrome | Reel       | 500 ft   | 612825255307 |
| 9537 060U500  | Chrome | UnReel     | 500 ft   | 612825255277 |
| 9537 0601000  | Chrome | Reel       | 1,000 ft | 612825255291 |
| 9537 060U1000 | Chrome | UnReel     | 1,000 ft | 612825255260 |
| 9537 0605000  | Chrome | Reel       | 5,000 ft | 612825255314 |

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